

## What Is a Force: Chapter 1, Section 2

Force- push or a pull on an object by another object

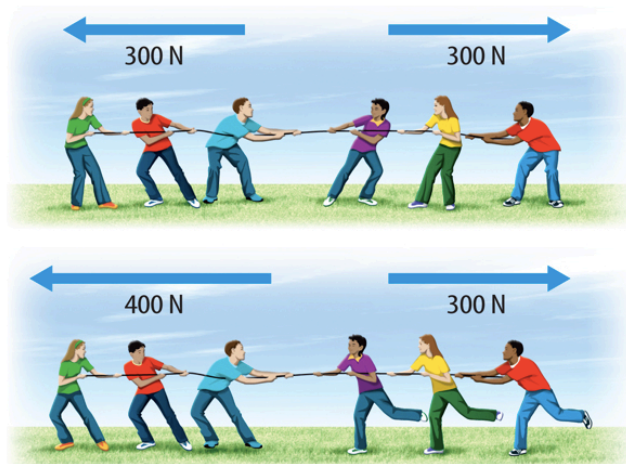
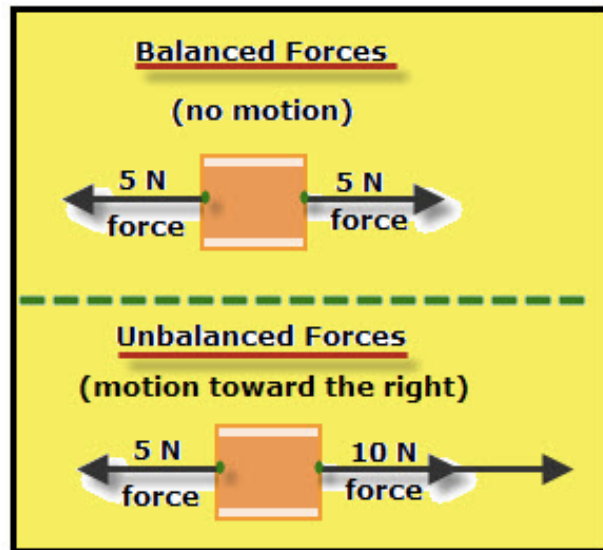
When one object pushes or pulls in one direction, the object that is being pushed or pulled pushes or pulls in the other direction

**All forces act in pairs. There is always some type of force acting in the opposite direction of another force.**

**Ex. My feet push down on the floor and the floor pushes back up on my feet.**

Two Types of Force

1. **Balanced-** equal forces in both directions. Causes no movement and creates constant/steady movement
2. **Unbalanced-** unequal forces cause a change in movement in a particular direction



## Net Force

1. Two forces pulling or pushing an object in the same direction-  
ADD THE FORCES
2. Two forces pulling or pushing an object in opposite directions-  
SUBTRACT THE FORCES

\*\*All Forces are measured in Newtons.

\*\*A balanced Force will have a net force of 0 Newtons

